

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 Claim 1 (original): Device for correcting defective
2 vision or corneal disease of an eye, characterised by the
3 combination of
4 - an instrument (16) for deforming the cornea of the
5 eye with
6 - an instrument (18, 20) for hardening the cornea
7 - at least one radiation source (20) for irradiated
8 the cornea,
9 one or more radiation sources (20) in the instrument
10 being arranged so that the radiation emitted by them
11 strikes the cornea homogeneously.

1 Claim 2 (original): Device according to Claim 1,
2 characterised in that the instrument (16) for deforming
3 the cornea comprises a shaped body which can be placed on
4 the eye.

1 Claim 3 (currently amended): Device according to ~~one of~~
2 ~~Claims~~ Claim 1 to 2, characterised in that the instrument
3 is configured so that it can be brought in contact with
4 the cornea for proper use.

1 Claim 4 (original): Device according to Claim 1,
2 characterised in that the instrument is configured so
3 that it lies at a predetermined distance from the cornea
4 for proper use.

1 Claim 5 (original): Device according to Claim 1,
2 characterised in that light-emitting diodes are provided
3 as the radiation source.

1 Claim 6 (original): Device according to Claim 1,
2 characterised by a radiation source with optical
3 waveguides (52).

1 Claim 7 (original): Device according to Claim 1, having
2 a conical body(18) for guiding the radiation.

1 Claim 8 (original): Device according to Claim 1, having
2 a radiation sensor (28) for detecting a part of the
3 radiation emitted by the radiation source or radiation
4 sources.

1 Claim 9 (original): Device according to Claim 1,
2 characterised by a control or regulating instrument (24)
3 which can control or regulate the radiation.

1 Claim 10 (original): Device according to Claim 1,
2 characterised by a device (36, 38) for measuring the
3 distance between a component of the device and the
4 cornea.

1 Claim 11 (original): Device according to Claim 1,
2 characterised in that the device comprises a plurality of
3 radiation sources (20) which are arranged so that their
4 radiation cones (56) allow homogeneous illumination of a
5 cornea by overlapping.

1 Claim 12(original): Device according to Claim 1, having
2 a device (22) for driving individual radiation sources.

1 Claim 13 (original): Device according to Claim 1,
2 having means for determining properties of the cornea.

1 Claim 14 (original): Operation microscope combined with
2 a device according to Claim 1.

1 Claim 15(original): Device having a surgical laser
2 system for refractive corrections of the cornea, in
3 combination with a device according to Claim 1.

1 Claim 16 (new): Device according to Claim 2,
2 characterised in that the instrument is configured so
3 that it can be brought in contact with the cornea for
4 proper use.